### **VARIOUS MINING MATTERS**

An Important Mining Sale in Madison County Likely to be Made to Cleveland People.

The Monitor Mine Sold--Property at Richmonds Flat Under Bond to Helena Men.

Greatest Gold Mine in the World Calume & Hecla Company's Mammoth Wheel.

The Red Bluff mining interests are looking up, as considerable inquiry is being made by Cleveland and St. Paul capitalists for mines in that district, says the Bozoman Chronicle, and it is quite probable that the sale of the Golconda group of mines in Madison county, with the mill thereon, for \$125,000 will be followed in a few days by that of the Grubstake and Tippecanoe mines for a large sum. A mill with a capacity of thirty tons per day will be built to work the Golconda ore. Late mill runs on this ore have been very satisfactory, yielding 97 per cent of the gold in which has heretofore been called rebellious ore. In milling thirty tons of ore the loss of mercury was but two pounds. The cost of reduction is estimated at \$5 per ton by the

The Revenue mine and mill, which had been shut down for repairs since the fire some months ago is running again. The vein on the lowest level of this mine shows sixteen feet of good paying ore. S. K. Knox has purchased the Monitor and a claim ad-joining it from Judge Reel for \$20,000, and has men employed in development work. Helena parties have bonded the mining interests of D. M. Haggerty on Richmond Flat for \$25,000. Nettleton and Northrup. who recently acquired the Washington Bar placers for the modest sum of \$250,000, have just concluded a remarkably fine clean up and have closed down for the

season.

The following particulars of a mine in Queensland, Australia, the Mount Morgan, the greatest gold mine in the world, will be of interest: The balance sheet for the half year just ended shows that the receipts for the six months were \$3,735,675, including \$75,000 carried forward for the previous half year's operations. Out of this \$2,875,000 have been distributed in dividends, and about the same amount has been carried ooo have been distributed in dividends, and about the same amount has been carried forward as was brought into the account. The dividends declared for the first nine months of the present year amount on an average to \$500,000 a month, or \$4,500,000. The average production in gold is over 1,000 ounces per day, and it is stated that the amount of ore in sight would warrant even a larger plant than is in use. The ore is refractory and has given considerable trouble in attaining a satisfactory extraction, but as its average value is over four tion, but as its average value is over four ounces to the ton, there is a good margin to work on. The ore is treated by chlorina-tion in barrels, using the Newberry-Vantin plant, to which process the ore is admirably suited.

The greatest wheel of its kind in the world stands in the main shop of the Dickworld stands in the main shop of the Dickson Manufacturing company, in Scranton, Pa., says an exchange. It was built for the Calumet & Heela Mining company, of Lake Superior, Michigan, for the purpose of lifting and discharging the "tailings," a waste from the copper mines into the lake, and its diameter is 54 feet, while its weight in active operation will be 200 tons. It is cailed a 50-foot sandwheel, but its extreme dimensions are 54 feet in diameter. Some idea of its enormous capacity can be formed idea of its enormous capacity can be formed from the fact that it will receive and elevate sufficient sand every twenty-four hours to cover an acre of ground a foot deep.

It is armed on its outer edge with 432 teeth, 4.71 inches pitch and 18 inches face. The gear segments, eighteen in number, are made of gun iron, and the teeth are machine-cut, epicycloidal in form. It took two of the most perfect machines in the world 100 days and nights to cut the teeth alone, and the finish is as smooth as class; Mr. Sidney Broadbent, an English mechanic, who has been many years in this country is general superintendent of the country, is general superintendent of the Dickson Manufacturing company, and the

The wheel was designed by Mr. E. D.
Leavitt, of Cambridgeport, Mass., the consulting engineer of the Calumet & Hecla company. The wheel is to be driven by a pinion of sun iron containing 33 took of company. The wheel is to be driven by a pinion of gun iron containing 33 teeth of equal pitch and face, and will run at a speed of 600 feet per minute at the inner edge, where it will be equipped with 448 steel buckets that will lift the "tailings" as the machine revolves and discharge them into launders that will carry them into the

into launders that will carry them into the lake. The shaft of the wheel is of gun iron, and its journals are 22 inches in diameter by 3 feet four inches long. The shaft is made in three sections and 30 inches in diameter in the center.

At the first glance the great wheel looks like an exaggerated bicycle wheel, and it is constructed much on the same principle, with straining rods that run to centers cast on the outer sections of the shaft. The steel buckets on either side of the gear are each 4 feet 5½ inches long and 21 inches deep, and the combined lifting capacity of the 448, running at a speed of 600 feet per minute, will be 3,000,000 gallons of water and 2,000 tons of sand every 24 hours. The wheel is supported on two massive adjustwheel is supported on two massive adjustable pedestals of cast iron, weighing 12 tons each, and it is estimated that its cost at the copper mines before making a single revo-lution will not be less than \$100,000,

Boston Says Train is Sane,

Bosron, Oct. 17.-Lawyer E. A. Snow yesterday requested a writ of habeas corpus in the George Francis Train case on the ground that he was non compos mentis, but Judge Devins refused. Snow claims Train cannot be legally held under a civil process in this commonwealth until the courts have decided by expert testimony he is of sound mind, as they are bound to give full faith to the courts of New York. Judge Davis, on the testimony of Surgeon-General Hamilton, found he was non compos mentis in 1873.

A Mother's Crime. Santa Ana, Cala., Oct. 17.-Mrs. Effic Scholl last night murdered her five-yearold boy and three-year-old girl and then attempted suicide. It is believed she will re-cover. Despondency over the prospect of her divorced husband getting possession of the children was the cause of the crime.

Liabilities \$80,000.

New York, Oct. 17 .- H. B. Shoen & Co., dry goods commission merchants, have assigned. Liabilities \$80,000; assets not yet determined.

He Cut His Wife's Throat.

Thoy, N. Y., Oct. 17.-Harley, Hodge this morning murdered his wife by cutting her throat at Cambridge, and then threatened to cut his own throat, but was too cowardly to inflict more than a slight wound. He

ers, of Waitersburg, sold over 380 bottles of Colic, Cholera and Diarrhosa Remedy during this epidemic, and say they never heard of its failing in any case when the directions were followed. It was the only medicine used that did cure the worst cases. Many persons were cured by it after the doctors had given them up. Twenty-five and 50-cent bottles for sale by H. M. Parchen & Co.

Cure for Piles.

Itching piles are known by moisture like perspiration, producing a very disagreeable itching after getting warm. This form, as well as blind, bleeding and protruding piles, wen as offina, bleeding and protruding ples, yield at once to the aplpication of Dr. Bosanko's Pile Remedy, which acts directly upon the parts affeted, absorbing the tumors, allaying thecintense itching and effecting a permanent cure, Fifty cents. Address The Dr. Bosanko Medicine company, Piqua, Ohio. Sold by R. S. Hale & Co.

Chamberlain's Colic, Cholera and Diarrhosa

Remedy. This medicine can always be depended upon, not only in the milder forms of sum mer complaint, but also for malignant dysentery and cholera infantum. The lives of many persons, and especially chil-dren, are saved by it each year. It is pleas-ant, safe and reliable. For sale by H. M. Parchen & Co.

People Who Fret.

"Care killed the cat," is a well known old saw. The force of it is in the fact that fret and worry will kill even an animal which is popularly said to have nine lives. Fret-ting and worrying may not kill you, but they will shorten your days, and what hap piness is there in a life all cankered with care? But how avoid worry?. Well, Americans travel more than any other peo-ple on the globe, and probably discomforts and delays in traveling cause us greater an-noyance than all other sources of fretting combined. The great Burlington system reaches all the principl cities of the west, and if you always select it as your route, you can banish fretting forever, so smooth you can banish fretting forever, so smooth is its track, so sumptuous and luxurious are its cars, and so appetizing and well cooked are the meals served on its diners. For tickets, and any information about this "People's favorite," call on your local agent, or write to W. J. C. Kenyon, Gen. Pass, Agent, C. B. & N. R. R., St. Paul, Minn.

"Another wonderful discovery has been made, and that, too, by a lady in this county. Disease fastened its clutches upor her and for seven years she withstood its severest tests, but her vital organs were un-dermined and death seemed imminent. For dermined and death seemed innainent. For three months she coughed incessantly and could not sleep. She bought of us a bottle of Dr. King's New Discovery for Consumption and was so much relieved on taking the first dose that she slept all night and with one bottle has been miraculously cured. Her name is Mrs. Luther Lutz.' Thus writes W. C. Hamrick & Co. of Shelby, N. C. Get a free trial bottle at R. S. Hale & Co.'s drug store.

A Safe Investment

is one which is guaranteed to bring you satisfactory results, or in case of failure a return of purchase price. On this safe plan you can buy from our advertised druggist, a bottle of Dr. King's New Discovery for Con-sumption. It is guaranteed to bring relief sumption. It is guaranteed to bring reher in every case, when used for any affection of throat, lungs or chest, such as Consump-tion, Inflamation of Lungs, Asthma, Whooping Cough, etc., etc. It is pleasant and agreeable to the taste, perfectly safe and can always be depended upon. Trial bottles free at R. S. Hale & Co's, drug store.

We desire to say to our citizens, that for years we have been selling Dr. Kings New Discovery for Consumption, D. King's New Life Pills, Bucklen's Arnica Salve an Electric Bitters, and have never handled remedies that sell as well, or that have given such universal satisfaction. We do not hesitate to guarantee them every time, and we stand ready to refund the purchase price if satisfactory results do not follow their use. These remedies have won their great popularity purely on their merits. R. S. Haie & Co., druggists.

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